AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended)   In a computer system having an event management system for detecting events as they occur and selectively reporting them to one or more subscriber applications, a method of combining first and second filtering trees usable for determining which detected events should be reported to the one or more subscriber events by merging the first and second filtering trees to create an output filter tree used to selectively report events, the method comprising:

accessing first and second filtering trees used to determine whether an event detected by a computing system should be reported to one or more subscriber applications;

determining ~~whether~~ that a first node at ~~two nodes at~~ a topmost level of the first filtering tree ~~each of the first and second trees are both~~is an OR ~~nodes, and if so,~~;

determining that a second node at a topmost level of the second filtering tree is also an OR node;

in response to determining that an OR node is at the topmost level of each of the first and second filtering trees, creating a single output filtering tree and storing it on computer readable storage media, the single output filtering tree providing a resulting OR node ~~of a single resultant filtering tree~~ at a topmost level of the output filtering tree; and

adding each child node of the first tree and each child of the second tree into the single output filtering tree as child nodes, and such that the single output filtering tree when traversed with actual event data, is configured to identify when an event corresponding to the actual event data is to be reported to the one or more subscriber applications, and wherein adding each child of the first tree and each child of the second tree comprises:

merging each child node of the first tree with a child node of the second tree into a merged node when such nodes can be successfully combined, and adding to the single output filtering tree each merged node ~~to the resulting OR node as~~ as a child node of the resulting OR node;~~thereof; and~~

adding to the single output filtering tree each child node of the first tree and each child node of the second tree that cannot be successfully combined ~~to the resulting OR node~~ as a child node of the resulting OR node; and ~~thereof; and if the topmost nodes are not both OR nodes,~~

after any child node of the first tree and the second filtering tree have been added to the output filtering tree in a merged node or as a child node of the resulting OR node, eliminating each child from further consideration for merging.~~evaluating each topmost node.~~

2.   (Original)   The method of claim 1 further comprising, merging child nodes beneath a merged node into a merged child node when child nodes can be successfully combined.

3.   (Original)   The method of claim 1 wherein merging each child node that can be successfully combined includes performing a union of a set of data points of each node.

4.   (Cancelled).

5.   (Cancelled).

6.   (Currently Amended)   The method of ~~claim 5~~claim 1 wherein the ~~two~~topmost nodes of the first and second filtering trees do not represent the same event variable, and further comprising, providing an OR node in the output filtering tree, and adding the first and second trees to the OR node as children thereof.

7.   (Currently Amended)   The method of ~~claim 5~~claim 1 wherein the ~~two~~topmost nodes of the first and second filtering trees represent the same event variable, and further comprising, merging the ~~two~~topmost nodes into a merged node.

8.   (Original)   The method of claim 7 wherein merging the topmost nodes includes performing a union of a set of data points of each node.

9.   (Original)   The method of claim 7 further comprising merging child nodes at each level of children below the merged node into a merged child node when such child nodes can be merged.

10.   (Original)   The method of claim 1 further comprising, traversing the resultant filtering tree with actual event data.

11.   (New) A computer readable storage media having encoded thereon computer executable instructions that when executed by a processor, cause the processor to execute a method as recited in claim 1.